U.S. DEPARTMENT OF COMMERCE	ATTY. DOCKET NO.	SERIAL NO.
PATENT AND TRADEMARK OFFICE	22221/1190	Continuation of 09/716,964
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICANT	
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(PTO-1449)	Herewith	To Be Assigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
RH	1	5,192,674	03/09/1993	Oshima et al.	435	194	
1	2	5,242,818	09/07/1993	Oshima et al.	435	194	
	3	5,322,785	06/21/1994	Comb et al.	435	199	
	4	5,352,778	10/04/1994	Comb et al.	53b	237	
	5	5,374,553	12/20/1994	Gelfand et al.	435	257.3	
	6	5,413,926	05/09/1995	Oshima et al.	1	194	
	7	5,500,363	03/19/1996	Comb et al.		194	
RK	8	5,545,552	08/13/1996	Mathur	435	2523	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANS- LATION IF APPRO- PRIATE
RH	9	WO 91/09950	07/11/1991	WIPO		1	
RH	10	WO 93/15115	08/05/1993	WIPO			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

الدط	11	Rudinger, "Characteristics of the Amino Acids as Components of a Peptide Hormone Sequence," In: Peptide Hormones,				
KP		Ed. J.A. Parsons. University Park Press, Baltimore, MD, pages 1-7 (1976)				
	12	Ngo et al., "Computational Complexity, Protein Structure Prediction, and the Ilevinthal Paradox," In: The Protein Folding				
1		Problem and Tertiary Structure Prediction, Eds. Merz et al., Birkhauser et al., Boston, MA, pages 491-495 (1994)				
	. 13	Thornton et al., Current Opinion in Biotechnology 6(4):367-369 (1995)				
	14	Wallace, FASEB Journal 7:505-515 (1993)				
RT)	. 15	McHenry et al., J. Mol. Biol. 272:178-189 (1997)				
EXAMINER	1/2	DATE CONSIDERED 1/18/US				

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U.S. DEPARTMENT OF COMMERCE	ATTY, DOCKET NO.	SERIAL NO.
PATENT AND TRADEMARK OFFICE	22221/1190	Continuation of 09/716,964
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
RH	16	5,583,026	12/10/1996	O'Donnell	435	199	
1	17	5,618,711	04/08/1997	Gelfand et al.		1	
	18	5,624,833	04/29/1997	Gelfand et al.			
	19	5,633,159	05/27/1997	Pearson et al.			
	20	5,736,373	04/07/1998	Hamilton		199	
	21	5,744,312	04/28/1998	Mamone et al.		6	
	22	5,789,224	08/04/1998	Gelfand et al.	l	199	
RH	23	5,830,714	11/03/1998	Swaminathan et al.	437	91.2	

FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

rat	24	Yuricva et al., J. Biol. Chem. 272(43):27131-27139 (1997)
1	25	Bukhrashvili et al., Biochimica et Biophysica Acta 1008:102-107 (1989)
	26	Elie et al., Biochimica et Biophysica Acta 951:261-267 (1988)
	27	Pluthero, Nucleic Acids Research 21(20):4850-4851 (1993)
(4 B)	28	Algriso et al., Nucl. Acids Res. 18:6771-6777 (1990)
EXAMINER	1 h	DATE CONSIDERED 1/18/04
EXAMINER: Ani	itial if citat	ion considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not

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U.S. PATENT DOCUMENTS

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Kit	29	5,834,285	11/10/1998	Comb et al.	935	199	
7	30	6,066,483	05/23/2000	Riggs et al.	1		
	31	6,100,078	08/08/2000	Riggs et al.		199	
	32	6,238,905 BI	05/29/2001	McHenry et al.		2523	
	33	6,395,526 B1	05/28/2002	Uemori et al.	485	19	
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OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, Etc.)

121/	34	Blinkowa et al., Nucleic Acids Research 18:1725-1729 (1990)
111		
1. /	35	Carter et al., <u>J. Bacteriol</u> 175:3812-3822 (1993)
	36	Chen et al., Proc. Natl. Acad. Sci USA 5211-5215 (1992)
		·
	37	Cullman et al., Mol. Cell Biol., 150:4661-4671 (1995)
	38	Dong et al., J. Biol. Chem. 11758-11766 (1993)
	1/	
EXAMINER	In	DATE CONSIDERED // 10/06
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ia id	39	Flower et al., l	Proc. Natl. Aca	ad. Sci. USA 87:371	3-3717 (1990)			;			
24		`	1 and can, 100, 144, 7 can out 557, 573, 133, 177 (1776)								
	40	Guibus et al.,	Cell 87:297-30)6 (1996)							
	1.	look C	11 55:442 400	(1089)							
	41	Jack et al., Ce) 458-(458) 	(1700)							
	42	Kelman et al.,	Kelman et al., <u>Curr Opin Gen & Dev</u> 4:185-195 (1994)								
	43	Kong et al., C	Kong et al., <u>Cell</u> 69:425-437 (1992)								
	-	-									
	44	Nomberg et al	Komberg et al., DNA Replication, 2 nd ed. New York: W.H. Freeman com, pp. 165-194 (1992)								
	45 Krishna et al., <u>Cell</u> 79:1233-1243 (1994)										
	46	Kuriyan et al., J. Mol. Biol. 234:915-925 (1993)									
	197	Larsen et al.,	I. Bact. 176:68	142-6851 (1994)							
	4	4-11					···	,			
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PH	48	Lee et al., Proc. Natl, Acad. Sci. USA 84:2713-2717 (1987)							
1	49	Maki et al., J.	Biol. Chem. 2	.63:6570-6578 (1988)					
1	50	McHenry et al	McHenry et al., <u>J. Biol. Chem.</u> 257:1657-1663 (1982)						
	52	52 O'Donnell et al., <u>Mol. Cell Biol.</u> 3:953-957 (1992)							
	53 O'Donnell et al., <u>Nucl. Acids Res.</u> 21:1-3 (1993) 54 Onrust et al., <u>J. Biol. Chem.</u> 270:13366-13377 (1995)								
	55	Onrust et al.,	J. Biol. Chem.	266:21681-21686 (19	991)	· · · · · · · · · · · · · · · · · · ·			
	56	Perrino et al.,	Biochemistry	29:5226-5231 (1990)					
RU	57	Studwell-Vau	ghan, J. Biol.	Chem. 266:19833-198	341 (1991)				
110	A/L		17)			· · · · · · · · · · · · · · · · · · ·		
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et		Stukenberg et al., J. Biol. Chem. 266:11328-11334 (1991) Tsuchihashi et al., Proc. Natl. Acad. Sci. USA 87:2516-2520 (1990)								
	 	ni et al., <u>Gen. &</u>	<u>Dev.</u> 6:511-519 (199	v <u>.</u> 6:511-519 (1992)						
	61 Tsuchihasi	hi et al., <u>J. Biol.</u>	et al., J. Biol. Chem. 264:17790-17795 (1989)							
Weiss et al., Cold Spring Harbor Symposia on Quantitative Biology, 52:687-693 (1987)							·			
63 Yin et al., Nucl. Acids Res. 14:6541-6549 (1986)										
	64 Yuzhakov	et al., <u>Cell</u> 86:8	377-886 (1996)							
	65 Ngo et al.	, "Computation	al Complexity, Protei	n Structure Prediction, and	the Levinthal Parad	ox, in The Program	Folding			
	Problem a	and Tertiary Str	ucture Prediction, Me	rz et al. (ed.), Birkhauser, B	Soston, MA, pp. 433	and 492-495 (1994	1)			
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